

## DIVISION OF INDUSTRIAL ACCIDENTS

1960 Annual Report

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THE COMMONWEALTH OF MASSACHUSETTS

Division of Industrial Accidents  
150 Tremont Street  
Boston 11, Massachusetts

May 27, 1963

To the Honorable Senate and House of Representatives:

The Division of Industrial Accidents has the honor to transmit its forty-eighth annual report.

Respectfully,

INDUSTRIAL ACCIDENT BOARD

James J. Gaffney, Jr., Chairman  
Eugene H. Giroux  
Thomas W. Bowe  
Harry Demeter, Jr.  
Maurice Rogovin  
Joseph E. McGuire  
Walter J. Trybulski  
Arlyne F. Hassett  
Paul A. D'Agostino  
Albert A. DeVincentis  
Joseph J. Pulgini

John E. Coyne, Secretary

Contents

Introduction  
Forty-eighth Year of the Act  
Summary of Accident Experience  
Maximum Payment Cases  
Dependency in Fatal Cases Not Insured Under the Act  
Medical Section  
Index to Statistical Tables  
Statistical Tables

FORTY-EIGHTH ANNUAL REPORT  
of the  
DIVISION OF INDUSTRIAL ACCIDENTS

The Division of Industrial Accidents presents herewith its forty-eighth annual report. This report contains the facts and figures, in summarized form, which comprise the Division's experience in the administration of the Workmen's Compensation Law (General Laws, Chapter 152) for the year January 1, 1960 to December 31, 1960.

In the year ending December 31, 1960, the reported injuries totalled 232,254, of which 54,573, or 23.5 per cent, were tabulatable injuries. In 1959 the reported injuries totalled 224,956 of which 52,997 were tabulatable injuries, being 23.5 per cent of the total in that year.

The severity of injuries, as measured by the plan for weighing time loss due to injuries shows an increase of 131,299 days as compared with 1959.

A synopsis of the subjects covered in the current report follows:

The Forty-Eighth Year of the Law. This chapter covers in condensed form the number of tabulatable injuries; total reported injuries; aggregate time lost; a condensed statement of combined payments by insurance companies and self-insured employers operating under the Act, and various governmental units; extent of incapacity in certain cases; and dependency, in brief, in fatal cases.

Summary of Accident Experience. This chapter explains the various tables found in the Appendix, with a brief analysis of each, and should be referred to for an understanding of the tables used.

Maximum Payment Cases. This chapter contains a brief review of the non-fatal cases in which the maximum amount of compensation payable under ss. 34 and 35, or either, has been made, and of those in which permanent total disability compensation is being continued under s. 34a.

Dependency in Fatal Cases Not Insured Under the Act. There were no non-insured fatal cases this year.

Medical Division. This chapter contains a brief summary of the work of this division with some statistical data for the past year.



## THE FORTY-EIGHTH YEAR OF THE ACT

There were 232,254 reports of injury filed with the Division of Industrial Accidents for the year January 1, 1960, to December 31, 1960, as compared with 224,956 in 1959. Of these 54,573 (1,576 more than in 1959) were tabulatable injuries (injuries causing the loss of at least one day or one shift, usually eight hours) including deaths, permanent total, permanent partial, and temporary total disabilities. Death resulted in 259 of these cases; 9 involved permanent total disability; 2,284 permanent partial disability and 52,021 temporary total disability.

The reports from insurance companies, self-insured employers, and the various governmental units (not including the Commonwealth of Massachusetts) show that the payments made and to be made on account of injuries occurring in this period total \$49,153,981.06 (\$3,740,697.96 more than in 1959) and are classified as follows: medical, \$15,289,634.00; fatal compensation, \$3,764,667.67; non-fatal compensation (including payments made to dependents in these cases under s.35a of the Workmen's Compensation Act), \$29,802,212.61; and other statutory payments of \$297,466.78.

The weighted time loss charged to all injuries is 4,322,259 days, distributed as follows: deaths, 36.0 per cent; permanent total disability, 1.2 per cent; permanent partial disability, 21.4 per cent; and temporary total disability 41.4 per cent.

There were 259 fatal cases which, for this tabulation, were considered as coming within the meaning of the law. This is an increase of 17 cases as compared with the year 1959. Total dependency was involved in 233 cases, 448 persons being so dependent; there was one case of partial dependency with one person being partially dependent; and there was no dependency in 25 cases.

There were no non-insured fatals this year.

SUMMARY OF ACCIDENT EXPERIENCE

TABLE 1. TOTAL TABULATABLE INJURIES, BY INDUSTRIES AND  
CASES INSURED, SELF-INSURED, AND NOT INSURED

Total Tabulatable Injuries, By Status of Employer

<u>Status of Employer</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>
Insured	50,043	91.70
Self-Insured	4,510	8.26
Not Insured	<u>20</u>	<u>.04</u>
Totals	54,573	100.00

The percentages for the above classifications for the year 1959 were: insured cases 91.58 per cent; self-insured 8.38 per cent; and not insured .04 per cent.



TABLE II. INSURANCE TRANSACTIONS UNDER THE ACT.

This table was compiled from figures furnished the Board upon its request, under section 63 of the Act, by insurance companies and self-insured employers licensed under the Act, and from the Metropolitan District Commission, and the counties, cities, towns and districts which have accepted the provisions of the Act. This table does not include payments made to employees of the Commonwealth of Massachusetts.

During the year ending December 31, 1960, a total payment of \$49,153,981.06 was reported, the average cost per case being \$304.41. The governmental units which come under the Act reported a payment of \$1,206,768.08 to laborers, workmen, and mechanics, and to their dependents, and to the dependents of fatally injured employees, as compared with \$1,178,454.13 in 1959. These amounts do not include payments made by the Commonwealth of Massachusetts. Insurers paid \$43,289,077.62 as compared with \$40,385,255.14 in 1959; and self-insurers paid \$4,658,135.36 as compared with \$3,849,573.83 in 1959.

It should be noted that a number of political subdivisions insure directly with private carriers in lieu of accepting statutes enabling payment directly by such subdivisions.

Payments Made and Outstanding

<u>Type of Payment</u>	<u>Amount</u>	<u>Per Cent</u>
Medical, for all cases	\$ 15,289,634.00	31.1
Fatal dependency compensation	3,764,667.67	7.7
Non-fatal disability compensation (including s.35a payments)	29,802,212.61	60.6
Other statutory payments	<u>297,466.78</u>	<u>0.6</u>
Totals	\$ 49,153,981.06	100.0

Based on payments made and estimated outstanding and the cases to which they apply, the average cost per case for the several groups is as follows:

Average Cost Per Specified Case

<u>Type of Payment</u>	<u>No. of Cases</u>	<u>Average Cost</u>
Medical, for all cases	160,536	\$ 95.24
Fatal dependency compensation	259	14,535.39
Non-fatal disability compensation (including s.35a payments)	36,189	823.52
Other statutory payments	282	1,054.85



TABLE II. Payments Made and Outstanding Under the Act, Filed by Insurance Companies, Self-Insured Employers, and the Various Governmental Units, (excluding the Commonwealth of Massachusetts) on Injuries Reported for the Year January 1, 1960 to December 31, 1960.

PAYMENTS BY NON FATAL, FATAL, AND OTHER STATUTORY BENEFITS

NON-FATAL CASES

Number of employees requiring medical service only.....	125,001	
Medical payments made.....		\$ 3,183,174.27
Medical payments outstanding.....		287,965.69
		<u>\$ 3,471,139.96</u>
Number of employees requiring medical service only, who received treatment under "contract medical".....	113,667	
Number of employees receiving compensation and treatment under "contract medical".....	936	
Incapacity and specific compensation paid, including ch.152, s.35a payments.....		\$ 389,430.51
Incapacity and specific compensation outstanding, including ch.152, s.35a payments.....		99,452.00
		<u>\$ 488,882.51</u>
Number of employees receiving both medical service and compensation.....	35,253	
Medical payments made.....		\$ 6,367,151.04
Medical payments outstanding.....		5,323,025.64
		<u>\$ 11,690,176.68</u>
Incapacity and specific compensation paid, including payments under ch.152, s.35a.....		\$ 12,593,603.02
Incapacity and specific compensation outstanding, including ch.152, s.35a payments.....		16,719,727.08
		<u>\$ 29,313,330.10</u>
Number of cases requiring neither payment of compensation nor medical service.....	23,783	



### FATAL CASES

Number of fatal cases with total dependents.....	250	
Compensation payments made.....		\$ 261,527.67
Compensation payments outstanding.....		1,922,330.00
Compensation payments outstanding in questioned liability cases.....		<u>1,541,500.00</u>
		\$ 3,725,357.67
Medical payments made.....		\$ 43,067.60
Medical payments outstanding.....		16,226.71
Medical payments outstanding in questioned liability cases.....		<u>45,392.00</u>
		\$ 104,686.31
Number of fatal cases with partial dependents.....	9	
Compensation payments made.....		\$ 5,741.00
Compensation payments outstanding.....		13,569.00
Compensation payments outstanding in questioned liability cases.....		<u>20,000.00</u>
		\$ 39,310.00
Medical payments made.....		\$ 686.00
Medical payments outstanding.....		95.00
Medical payments outstanding in questioned liability cases.....		<u>2,229.00</u>
		\$ 3,010.00
Number of fatal cases with no dependents.....	23	
Medical payments made.....		\$ 15,485.05
Medical payments outstanding.....		2,397.00
Medical payments outstanding in questioned liability cases.....		<u>2,739.00</u>
		\$ 20,621.05

### OTHER STATUTORY PAYMENTS

Ch. 152, s.33		
Payments made.....		\$ 46,850.78
Payments outstanding.....		36,500.00
Payments outstanding in questioned liability cases.....		<u>82,100.00</u>
		\$ 165,450.78

Ch. 152, s. 65

Payments made.....	\$ 6,000.00
Payments outstanding.....	3,000.00
Payments outstanding in questioned liability cases.....	12,800.00
	<u>\$ 21,800.00</u>

Ch. 152, s. 65n

Payments made.....	\$ 34,300.00
Payments outstanding.....	21,500.00
Payments outstanding in questioned liability cases.....	54,416.00
	<u>\$ 110,216.00</u>

PAYMENTS BY MEDICAL, COMPENSATION, AND OTHER STATUTORY BENEFITS

Total Number of Cases

Number of fatal cases reported.....	282
Number of non-fatal cases reported.....	298,640
	<u>298,922</u>

Medical Payments

Fatal Medical Payments

Payments made.....	\$ 59,238.65
Payments outstanding.....	18,718.71
Payments outstanding in questioned liability cases.....	50,360.00
	<u>\$ 128,317.36</u>

Non-Fatal Medical Payments

Payments made.....	\$ 9,550,325.31
Payments outstanding.....	5,610,991.33
	<u>\$ 15,161,316.64</u>

Fatal and Non-Fatal Medical Payments Combined

Payments made.....	\$ 9,609,563.96
Payments outstanding.....	5,629,710.04
Payments outstanding in questioned liability cases.....	50,360.00
	<u>\$ 15,289,634.00</u>



Compensation Payments

Fatal Compensation Payments

Payments made.....	\$ 267,268.67
Payments outstanding.....	1,935,899.00
Payments outstanding in questioned liability cases.....	1,561,500.00
	<u>\$ 3,764,667.67</u>

Non-Fatal Compensation Payments

Payments made, including ch.152, s.35a payments.....	\$ 12,983,033.53
Payments outstanding, including ch.152, s.35a payments.....	16,819,179.08
	<u>\$ 29,802,212.61</u>

Fatal and Non-Fatal Compensation Payments Combined

Payments made.....	\$ 13,250,302.20
Payments outstanding.....	18,755,078.08
Payments outstanding in questioned liability cases.....	1,561,500.00
	<u>\$ 33,566,880.28</u>

Other Statutory Payments

Payments made.....	\$ 87,150.78
Payments outstanding.....	61,000.00
Payments outstanding in questioned liability cases.....	149,316.00
	<u>\$ 297,466.78</u>

Medical, Compensation and Other Statutory Payments Combined

Total Payments made.....	\$ 22,947,016.94
Total payments outstanding.....	24,445,788.12
Total payments outstanding in questioned liability cases.....	1,761,176.00
	<u>\$ 49,153,981.06</u>



TABLE III. FREQUENCY OF INJURIES, BY INDUSTRIES AND  
EXTENT OF DISABILITY.

This table indicates the number of deaths, permanent total disabilities, permanent partial disabilities, and temporary total disabilities.

In permanent total disabilities, the element of judgment based on experience must enter into classifying a part of the data. In rating injuries of this nature, the general principle by which severity is to be measured is based on economic loss to the community and on the loss of wages to the employee. Permanent total disability applies to every injury which permanently incapacitates the workman from performing any work continuously in a gainful occupation. The element of judgment must enter into the classification of the data because the statistics must be compiled before we can determine definitely whether an injured employee is ever going to be able to perform work again.

Permanent partial disabilities are all injuries less than permanent total which result in the loss of any member of the body or part thereof, or in the permanent impairment of any function, as included in the specific injury table.

Temporary total disabilities are those in which no permanent partial disability is involved.

Extent of Total Tabulatable Injuries

<u>Extent of Disability</u>	<u>Number of Cases</u>	<u>Per Cent</u>
Deaths	259	0.47
Permanent total disabilities	9	0.02
Permanent partial disabilities	2,284	4.19
Temporary total disabilities	<u>52,021</u>	<u>95.32</u>
Totals	54,573	100.00

The following table is a summary of the duration of disability in all cases in this classification:

Duration of Temporary Total Disabilities

<u>Disability Period</u>	<u>Number of Cases</u>	<u>Per Cent</u>
1 to 3 days	10,209	19.6
4 to 7 days	9,455	18.2
1 to 2 weeks	9,320	17.9
2 to 3 weeks	5,301	10.2
3 to 4 weeks	3,021	5.8
4 to 8 weeks	7,127	13.7
8 to 13 weeks	3,746	7.2
13 to 26 weeks	2,158	4.1
26 to 52 weeks	1,175	2.3
Over one year	<u>509</u>	<u>1.0</u>
Totals	52,021	100.0

It should be noted that in 19,664 cases, or 37.8 per cent, of the temporary total cases, the employee was not incapacitated for a period of more than seven days.



Total Tabulatable Injuries, by Industries and Extent  
of Disability Including Percentage Distribution

Industry	Disabilities									
	Totals		Deaths		Permanent Total		Permanent Partial		Temporary Total	
	Num- ber	Per Cent	Num- ber	Per Cent	Num- ber	Per Cent	Num- ber	Per Cent	Num- ber	Per Cent
Trade	9,222	16.9	33	12.8	1	11.1	269	11.8	8,919	17.2
Iron & Steel	6,306	11.6	30	11.6	-	-	354	15.5	5,922	11.4
Miscellaneous	6,004	11.0	22	8.5	3	33.4	343	15.0	5,636	10.8
Building trades	5,917	10.9	47	18.2	2	22.2	286	12.5	5,582	10.7
Domestic & personal	4,447	8.1	19	7.3	1	11.1	158	6.9	4,269	8.2
Food	2,626	4.8	6	2.3	-	-	125	5.5	2,495	4.8
Professional service	2,602	4.8	6	2.3	-	-	36	1.6	2,560	4.9
Transportation, roads	2,393	4.4	25	9.7	2	22.2	50	2.2	2,316	4.5
Express, trucking	2,313	4.2	20	7.7	-	-	41	1.8	2,252	4.3
Textiles	1,988	3.6	4	1.5	-	-	98	4.3	1,886	3.6
Leather	1,978	3.6	9	3.5	-	-	108	4.7	1,861	3.6
Paper	1,813	3.3	3	1.2	-	-	82	3.6	1,728	3.3
Lumber	1,000	1.8	-	-	-	-	92	4.0	908	1.8
Clothing	988	1.8	6	2.3	-	-	29	1.3	953	1.8
Metals	962	1.8	4	1.5	-	-	77	3.4	881	1.7
Printing & bookbinding	914	1.7	2	0.8	-	-	44	1.9	868	1.7
Agriculture	867	1.6	4	1.5	-	-	25	1.1	838	1.6
Chemicals	596	1.1	4	1.5	-	-	29	1.3	563	1.1
Liquors	469	0.9	5	1.9	-	-	5	0.2	459	0.9
Clay, glass, stone	450	0.8	4	1.5	-	-	22	1.0	424	0.8
Others in transportation	335	0.6	3	1.2	-	-	2	0.1	330	0.6
Telephone & telegraph	127	0.2	1	0.4	-	-	3	0.1	123	0.2
Water transportation	113	0.2	-	-	-	-	-	-	113	0.2
Air transportation	108	0.2	1	0.4	-	-	1	0.-*	106	0.2
Extraction of minerals	35	0.1	1	0.4	-	-	5	0.2	29	0.1
Totals	54,573	100.0	259	100.0	9	100.0	2,284	100.0	52,021	100.0

\* -' Less than one-tenth of one per cent.



An analysis of the preceding table shows that:

Deaths: "Building trades" had the highest number of deaths, 47, or 18.2 per cent; followed by "Trade" with 33, or 12.8 per cent; "Iron and steel" had 30, or 11.6 per cent; and the rest as shown. Last year "Trade" had the highest death rate with 47, or 19.4 per cent.

Permanent Total Disabilities: There were 9 permanent total disabilities, classified as follows: "Miscellaneous" had 3; "Building trades" and "Transportation, roads" each had 2; and "Trade" and "Domestic and personal service" had one each.

Permanent Partial Disabilities: "Iron and steel" had the highest frequency with 354 cases, or 15.5 per cent; followed by "Miscellaneous" with 343, or 15.0 per cent; and "Building trades" had 286 cases, or 12.5 per cent.

Temporary Total Disabilities: The frequency order of this group occurred as printed.

TABLE IV. SEVERITY OF INJURIES, BY INDUSTRIES AND EXTENT OF DISABILITY.

This table aims to give a measure of the severity of injuries according to the actual and weighted time loss, the unit of time loss being the unit least given to fluctuating.

The weighting of the temporary total disabilities and permanent partial disabilities is most easily determined by using as the bases of measurement the actual number of days lost as a result of injuries. Previous to July 1, 1937, the permanent partial disabilities were weighted by using for each case an aliquot part of six thousand days proportionate to the degree of disability resulting from the particular bodily impairment.

Under the plan for weighting the other types of injuries the following principles were used:

For each death and permanent total disability, a weight of six thousand days was employed as representing the average working life expectancy. This was determined by the accident experience of several states and some practical modifications based on committee judgment.

Severity of Total Tabulatable Injuries, by Industries  
and Extent of Disability

<u>Industries</u>	<u>Totals</u>	<u>Deaths</u>	<u>Disabilities</u>		
			<u>Per- manent Total</u>	<u>Per- manent Partial</u>	<u>Tem- porary Total</u>
Building trades	699,205	282,000	12,000	152,126	253,079
Trade	603,368	198,000	6,000	127,412	271,956
Iron and steel	457,928	180,000	-	108,617	169,311
Miscellaneous	421,982	132,000	18,000	86,044	185,938
Domestic & personal service	347,559	114,000	6,000	63,799	163,760
Transportation, roads, etc.	274,287	150,000	12,000	35,535	76,752
Express, trucking	232,838	120,000	-	30,231	82,607
Food	184,710	36,000	-	54,030	94,680
Leather	160,753	54,000	-	43,003	63,750
Professional service	154,395	36,000	-	29,319	89,076
Textiles	143,025	24,000	-	46,892	72,133
Paper	105,149	18,000	-	33,359	53,790
Clothing	78,633	36,000	-	7,980	34,653
Metals	68,178	24,000	-	17,293	26,885
Agriculture	61,329	24,000	-	11,180	26,149
Chemicals	58,732	24,000	-	17,689	17,043
Printing & bookbinding	53,485	12,000	-	15,724	25,761
Lumber	48,910	-	-	21,607	27,303
Liquors	45,868	30,000	-	156	15,712
Clay, glass, stone	44,231	24,000	-	7,561	12,670
Others in transportation	32,154	18,000	-	3,095	11,059
Extraction of minerals	13,994	6,000	-	6,016	1,978
Telephone & telegraph	12,768	6,000	-	3,001	3,767
Air transportation	12,552	6,000	-	3,000	3,552
Water transportation	6,226	-	-	-	6,226
Totals	4,322,259	1,554,000	54,000	924,669	1,789,590



The following table indicates that under the weighted system used, deaths cover 36.0 per cent of the total time loss, although only 259 out of a total of 54,573 cases were fatal.

Distributed Severity of Injuries

<u>Extent of Disability</u>	<u>Days Lost</u>	<u>Per Cent</u>
Deaths	1,554,000	36.0
Permanent total disabilities	54,000	1.2
Permanent partial disabilities	924,669	21.4
Temporary total disabilities	<u>1,789,590</u>	<u>41.4</u>
Totals	4,322,259	100.0

The following table shows the percentage distribution of days and the average days lost per case by industries.

Percentage Distribution of Lost Days and Average Days Per Case By Industries

<u>Industries</u>	<u>Per Cent of Total</u>	<u>Average Days Per Case</u>
Building trades	16.2	118
Trade	14.0	65
Iron and steel	10.6	73
Miscellaneous	9.8	70
Domestic and personal service	8.0	78
Transportation, roads, etc.	6.4	115
Express, trucking	5.4	101
Food	4.3	70
Leather	3.7	81
Professional service	3.6	59
Textiles	3.3	72
Paper	2.4	58
Clothing	1.8	80
Metals	1.6	71
Agriculture	1.4	71
Chemicals	1.4	99
Printing & bookbinding	1.2	59
Lumber	1.1	49
Liquors	1.1	98
Clay, glass, and stone	1.0	98
Others in transportation	0.7	96
Extraction of minerals	0.3	400
Telephone and telegraph	0.3	101
Air transportation	0.3	116
Water transportation	<u>0.1</u>	<u>55</u>
Totals	100.0	79



A study of the preceding table indicates that the industry "Extraction of minerals" contained the injuries which were of the most severe character, the average days lost per case being 400. This industry had a total of 35 cases with a time loss of 13,994 days. There was one death in this industry.

The average days lost per case for all industries combined was 79 days.

TABLE V. SEX AND AGE OF INJURED IN TOTAL TABULATABLE INJURIES.

Sex of Injured: The following table indicates that from a total of 54,573 cases, 45,979 or 84.3 per cent occurred among males and 8,594 or 15.7 per cent occurred among females.

Extent of Disability, By Sex

<u>Extent of Disability</u>	<u>Males</u>		<u>Females</u>	
	<u>Number of Cases</u>	<u>Per Cent</u>	<u>Number of Cases</u>	<u>Per Cent</u>
Deaths	256	0.6	3	0.-**
Permanent total disabilities	8	0.-**	1	0.-**
Permanent partial disabilities	1,991	4.3	293	3.4
Temporary total disabilities	<u>43,724</u>	<u>95.1</u>	<u>8,297</u>	<u>96.6</u>
Totals	45,979	100.0	8,594	100.0

\* -9 Less than one-tenth of one per cent.

An analysis of the above table shows that males sustained 98.8 per cent of the fatal injuries, and that 0.6 per cent of the total injuries to them were fatal. The fatal injuries to women were less than one-tenth of one per cent of the total sustained by them.

There was one permanent total disability injury to women this year.

Age The age experience for all years is considered by compressing the number by year intervals into groups sufficient for general explanation.

Distribution of Total Tabulatable Injuries, by Age Period

<u>Age Periods (Year)</u>	<u>Number of Cases</u>	<u>Per Cent</u>
14 and under	40	0.1
15	54	0.1
16	472	0.9
17	839	1.5
18	1,143	2.1
19	1,223	2.2
20 to 24 inclusive	5,846	10.7
25 to 29 "	5,636	10.3
30 to 34 "	5,716	10.5
35 to 39 "	6,137	11.3
40 to 44 "	8,036	14.7
45 to 49 "	5,700	10.5
50 to 54 "	5,142	9.4
55 to 59 "	3,890	7.1
60 to 64 "	2,967	5.4
65 and over	<u>1,732</u>	<u>3.2</u>
Totals	54,573	100.0

No comment on the above table seems necessary except to state that the ages from 14 to 20 are given for the benefit of those interested in minors.

TABLE VI. TOTAL TABULATABLE INJURIES, BY INDUSTRIES AND WAGE GROUPS.

No attempt is made in the following table to give the distribution by industries as Table VI in the Appendix contains this information.

Distribution of Tabulatable Injuries, by Wage Groups

<u>Weekly Wage Groups</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>	<u>Cumulative Per Cent</u>
Under \$36.00	2,475	4.5	4.5
\$36.00 to \$37.99	333	0.6	5.1
\$38.00 to \$39.99	321	0.6	5.7
\$40.00 to \$41.99	1,077	2.0	7.7
\$42.00 to \$43.99	649	1.2	8.9
\$44.00 to \$45.99	1,002	1.8	10.7
\$46.00 to \$47.99	733	1.3	12.0
\$48.00 to \$49.99	895	1.6	13.6
\$50.00 to \$51.99	1,555	2.9	16.5
\$52.00 to \$53.99	883	1.6	18.1
\$54.00 to \$55.99	1,218	2.2	20.3
\$56.00 to \$57.99	1,024	1.9	22.2
\$58.00 to \$59.99	876	1.6	23.8
\$60.00 to \$61.99	2,148	3.9	27.7
\$62.00 to \$63.99	1,028	1.9	29.6
\$64.00 to \$65.99	1,577	2.9	32.5
\$66.00 to \$67.99	1,120	2.1	34.6
\$68.00 to \$69.99	1,044	1.9	36.5
\$70.00 to \$71.99	2,015	3.7	40.2
\$72.00 to \$73.99	1,376	2.5	42.7
\$74.00 to \$75.99	2,114	3.9	46.6
\$76.00 to \$77.99	1,246	2.3	48.9
\$78.00 to \$79.99	1,143	2.1	51.0
\$80.00 to \$81.99	2,298	4.2	55.2
\$82.00 and over	24,423	44.8	100.0
Totals	54,573	100.0	



The following table, in class intervals of \$5.00, is given for the purpose of breaking down the groups "Under \$36.00" and "\$82.00 and over."

Distribution of Tabulatable Injuries, by Wage Groups

<u>Weekly Wage Groups</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>	<u>Cumulative Per Cent</u>
Under \$10.00	61	0.1	0.1
\$10.00 to \$14.99	169	0.3	0.4
\$15.00 to \$19.99	270	0.5	0.9
\$20.00 to \$24.99	514	0.9	1.8
\$25.00 to \$29.99	523	1.0	2.8
\$30.00 to \$34.99	739	1.4	4.2
\$35.00 to \$39.99	853	1.6	5.8
\$40.00 to \$44.99	2,222	4.1	9.9
\$45.00 to \$49.99	2,134	3.9	13.8
\$50.00 to \$54.99	3,028	5.6	19.4
\$55.00 to \$59.99	2,528	4.6	24.0
\$60.00 to \$64.99	3,838	7.0	31.0
\$65.00 to \$69.99	3,079	5.6	36.6
\$70.00 to \$74.99	4,081	7.5	44.1
\$75.00 to \$79.99	3,813	7.0	51.1
\$80.00 to \$84.99	4,002	7.3	58.4
\$85.00 to \$89.99	3,130	5.7	64.1
\$90.00 to \$94.99	3,618	6.6	70.7
\$95.00 to \$99.99	2,971	5.5	76.2
\$100.00 to \$104.99	3,169	5.8	82.0
\$105.00 to \$109.99	1,628	3.0	85.0
\$110.00 to \$114.99	1,799	3.3	88.3
\$115.00 to \$119.99	943	1.7	90.0
\$120.00 to \$124.99	989	1.8	91.8
\$125.00 to \$129.99	893	1.6	93.4
\$130.00 and over	3,579	6.6	100.0
Totals	54,573	100.0	

The maximum weekly compensation rate of \$45.00 would be payable on wages of \$67.50 a week and over.

Distribution of Tabulatable Injuries, Under Certain  
Compensation Rates, by Wages

<u>Weekly Wage Groups</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>	<u>Compensation Rate</u>
\$00.00 through \$19.99	500	0.9	Equal to wages*
\$20.00 through \$29.99	1,037	1.9	\$20.00
\$30.00 through \$67.49	17,257	31.6	2/3 of wages
\$67.50 and over	<u>35,779</u>	<u>65.6</u>	\$45.00
Totals	54,573	100.0	

\* The compensation rate is equal to the average weekly wage but not less than ten dollars where the number of normal working hours of the injured employee in a week are fifteen or more.



TABLE VII. LOCATION OF INJURY, BY NATURE OF INJURY.

The following table shows the distribution of injuries by location of injury.

Distribution of Tabulatable Injuries, by Location of Injury

<u>Location of Injury</u>	<u>Number of Cases</u>	<u>Per Cent</u>
Upper extremities	17,993	33.0
Trunk	16,353	30.0
Lower extremities	13,601	24.9
Head	3,380	6.2
Face and neck	1,770	3.2
Body	1,476	2.7
Totals	54,573	100.0

It will be observed that out of 54,573 injuries, 17,993, or 33.0 per cent, affected the upper extremities.

From the medical aspect in particular, and for information in general, the following table, which shows the number of tabulatable injuries by location and nature of injury, will prove of interest.

Distribution of Tabulatable Injuries, by Location and Nature of Injury

<u>Nature of Injury</u>	<u>Head</u>	<u>Face and Neck</u>	<u>Trunk</u>	<u>Upper Extremities</u>	<u>Lower Extremities</u>	<u>Body</u>	<u>Total</u>
Sprains & strains	2	268	13,522	2,622	3,969	13	20,396
Bruises, contusions, abrasions	553	253	1,235	2,889	4,176	294	9,400
Cuts, punctures, lacerations	520	417	89	6,141	1,280	6	8,453
All other	1,698	112	671	1,090	1,282	398	5,251
Fractures	73	132	704	1,924	2,253	5	5,091
Burns & scalds	128	269	69	895	347	50	1,758
Occupational diseases	33	177	3	631	44	333	1,221
Disfigurement	24	131	12	518	91	9	785
Partial loss of function	4	3	10	618	92	-	727
Amputation or total loss of use	25	6	-	517	25	-	573
Heart injuries	-	-	-	-	-	326	326
Concussions	310	-	-	-	-	-	310
Dislocations	-	2	38	148	42	-	230
Shock, electrical	-	-	-	-	-	42	42
Partial loss of vision	10	-	-	-	-	-	10
Totals	3,380	1,770	16,353	17,993	13,601	1,476	54,573

TABLE VIII. LOCATION, BY NATURE OF INJURY AND EXTENT OF DISABILITY.

This table shows the tabulatable injuries by nature of injury and duration of disability, including the percentage distribution. The location of injury is not given in this analysis.

Total Tabulatable Injuries, by Nature of Injury and  
Extent of Disability, Including Percentage Distribution

Nature of Injury	Totals	Per Cent	Deaths	Disabilities		
				Permanent Total	Permanent Partial	Temporary Total
Sprains & strains	20,396	37.4	3	-	76	20,317
Bruises, contusion, abrasions	9,400	17.2	5	-	1	9,394
Cuts, punctures, lacerations	8,453	15.5	4	1	1	8,447
All other	5,251	9.6	49	2	18	5,182
Fractures	5,091	9.3	55	1	36	4,999
Burns & scalds	1,758	3.2	8	-	1	1,749
Occupational diseases	1,221	2.2	9	2	22	1,188
Disfigurement	785	1.5	-	-	785	-
Partial loss of function	727	1.3	-	-	727	-
Amputation or total loss of use	573	1.1	-	1	572	-
Heart injuries	326	0.6	113	2	33	178
Concussions	310	0.6	2	-	2	306
Dislocations	230	0.4	-	-	-	230
Shock, electrical	42	0.1	11	-	-	31
Partial loss of vision	10	0.-'*	-	-	10	-
Totals	54,573	100.0	259	9	2,284	52,021

\* -' Less than one-tenth of one per cent.



TABLE IX. INFECTION, BY NATURE OF INJURY AND EXTENT OF DISABILITY.

Infection, by Nature of Injury and Extent of Disability

<u>Nature of Injury</u>	<u>Totals</u>	<u>Deaths</u>	<u>Permanent Total Disabilities</u>	<u>Permanent Partial Disabilities</u>	<u>Temporary Total Disabilities</u>
Cuts, punctures, lacerations	1,029	-	-	-	1,029
Bruises, contusions, abrasions	644	-	-	-	644
All other	89	-	-	-	89
Burns & scalds	86	-	-	-	86
Sprains & strains	56	-	-	1	55
Fractures	51	1	-	1	49
Occupational diseases	5	-	-	-	5
Partial loss of function	4	-	-	4	-
Totals	1,964	1	-	6	1,957

According to the above table 1,964 cases of infection ensued from injuries. This is 3.6 per cent of the total tabulatable injuries.

THE FOLLOWING TABLE SHOWS THE DISTRIBUTION OF TOTAL TABULATABLE OCCUPATIONAL DISEASE CASES BY INDUSTRY AND EXTENT OF DISABILITY

OCCUPATIONAL DISEASES, BY INDUSTRY AND EXTENT OF DISABILITY, JANUARY 1, 1960, TO DECEMBER 31, 1960.

(F STANDS FOR FATAL; PT STANDS FOR PERMANENT TOTAL DISABILITY; PP STANDS FOR PERMANENT PARTIAL DISABILITY; AND TT STANDS FOR TEMPORARY TOTAL DISABILITY.)

INDUSTRY	TOTALS				ALL OTHER		ANTH RAX	DERMA TITIS		LEAD POISON			POI SON IVY		TUBERCU LOSIS				GAS			CAR BON MONOX IDE		COM- PRESSED AIR		TOTAL CASES	
	F	PT	PP	TT	F	PP	TT	TT	PP	TT	PT	PP	TT	PP	TT	F	PT	PP	TT	F	PP	TT	F	TT	PP		TT
MISCELLANEOUS.....	1	1	7	259	-	2	9	-	-	210	-	1	2	1	15	1	1	2	5	-	1	16	-	2	-	-	268
IRON AND STEEL.....	3	-	3	125	1	-	3	-	-	94	-	-	2	-	4	1	-	3	9	1	-	13	-	-	-	-	131
DOMESTIC & PERSONAL SERVICE.....	-	-	1	115	-	-	5	-	1	87	-	-	1	-	14	-	-	-	1	-	-	7	-	-	-	-	116
LEATHER.....	-	-	-	103	-	-	5	1	-	94	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	103
TRADE.....	-	-	-	96	-	-	7	-	-	59	-	-	-	-	14	-	-	-	1	-	-	15	-	-	-	-	96
TEXTILES.....	-	-	1	63	-	-	5	4	1	47	-	-	-	-	3	-	-	-	-	-	-	4	-	-	-	-	64
PROFESSIONAL SERVICE.....	-	-	3	61	-	-	12	-	-	40	-	-	-	-	4	-	-	3	3	-	-	2	-	-	-	-	64
BUILDING TRADES.....	1	-	1	59	-	-	5	-	-	18	-	-	4	-	23	1	-	-	-	-	-	5	-	-	1	4	61
CHEMICALS.....	-	-	1	50	-	-	-	-	-	34	-	1	-	-	1	-	-	-	1	-	-	14	-	-	-	-	51
TRANSPORTATION, ROADS, ETC..	1	1	2	44	-	-	2	-	-	10	1	-	1	-	23	-	-	-	1	-	2	5	1	2	-	-	48
AGRICULTURE.....	-	-	-	46	-	-	3	-	-	26	-	-	-	-	15	-	-	-	1	-	-	1	-	-	-	-	46
FOOD.....	1	-	-	38	-	-	3	-	-	32	-	-	-	-	1	1	-	-	1	-	-	1	-	-	-	-	39
METALS.....	1	-	-	26	-	-	1	-	-	17	-	-	2	-	-	1	-	-	3	-	-	1	-	2	-	-	27
PAPER.....	-	-	2	22	-	-	3	-	1	16	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	24
CLOTHING.....	-	-	-	22	-	-	1	-	-	20	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	22
PRINTING & BOOKBINDING.....	-	-	-	19	-	-	3	-	-	13	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	19
LUMBER.....	-	-	-	12	-	-	1	-	-	9	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	12
EXPRESS, TRUCKING.....	-	-	-	12	-	-	2	-	-	1	-	-	-	-	2	-	-	-	1	-	-	6	-	-	-	-	12
CLAY, GLASS, STONE.....	1	-	-	8	-	-	-	-	-	7	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	9
EXTRACTION OF MINERALS.....	-	-	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	3
OTHERS IN TRANSPORTATION....	-	-	-	2	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2
LIQUORS.....	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
WATER TRANSPORTATION.....	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TELEPHONE & TELEGRAPH.....	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
AIR TRANSPORTATION.....	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
TOTALS	9	2	22	1,188	1	2	70	5	3	837	1	2	14	1	122	6	1	10	29	1	3	101	1	6	1	4	1,221

THIS YEAR "MISCELLANEOUS" HAD THE GREATEST NUMBER OF INJURIES, 268, OR 21.9 PER CENT OF THE TOTAL OCCUPATIONAL DISEASE CASES, AND "DERMATITIS" WAS THE CAUSE OF INJURY IN 210 OF THESE CASES.

THE OCCUPATIONAL DISEASE HAVING THE GREATEST NUMBER OF INJURIES WAS "DERMATITIS" WITH 840 CASES OR 68.8 PER CENT OF THE TOTAL OCCUPATIONAL DISEASE CASES.



THE FOLLOWING TABLE SHOWS THE DISTRIBUTION OF OCCUPATIONAL DISEASE CASES INVOLVING TEMPORARY TOTAL DISABILITY, BY INDUSTRY AND EXTENT OF DISABILITY, AND INDICATES THAT "DERMATITIS" CONTAINED THE GREATEST NUMBER OF CASES.

OCCUPATIONAL DISEASES, INVOLVING TEMPORARY TOTAL DISABILITY, BY INDUSTRY AND EXTENT OF DISABILITY,  
JANUARY 1, 1960, TO DECEMBER 31, 1960.

INDUSTRY	TOTALS			ALL OTHER			ANTH RAX	DERMATITIS			LEAD POISON		POISON IVY		TUBERCU LOSIS			GAS			CAR BON MONOX IDE	COM PRESSED AIR	TOTAL CASES	
BY DAYS	1 TO 7	8 TO 182	183 AND OVER	1 TO 7	8 TO 182	183 AND OVER	8 TO 182	1 TO 7	8 TO 182	183 AND OVER	8 TO 182	183 AND OVER	1 TO 7	8 TO 182	1 TO 7	8 TO 182	183 AND OVER	1 TO 7	8 TO 182	183 AND OVER	1 TO 7	8 TO 182		
MISCELLANEOUS.....	76	169	14	3	6	-	-	55	144	11	2	-	8	7	-	2	3	8	8	-	2	-	-	259
IRON & STEEL.....	33	85	7	1	2	-	-	25	68	1	2	-	1	3	1	3	5	5	7	1	-	-	-	125
DOMESTIC SERVICE...	37	71	7	3	2	-	-	22	61	4	-	1	9	5	-	-	1	3	3	1	-	-	-	115
LEATHER.....	22	76	5	3	2	-	1	17	72	5	-	-	-	-	-	-	-	2	1	-	-	-	-	103
TRADE.....	36	57	3	2	4	1	-	17	42	-	-	-	9	5	-	-	1	8	6	1	-	-	-	96
TEXTILES.....	15	47	1	2	3	-	4	9	37	1	-	-	2	1	-	-	-	2	2	-	-	-	-	63
PROFESSIONAL SERV..	22	38	1	2	10	-	-	16	24	-	-	-	2	2	-	2	1	2	-	-	-	-	-	61
BUILDING TRADES....	28	31	-	4	1	-	-	7	11	-	4	-	14	9	-	-	-	3	2	-	-	4	-	59
CHEMICALS.....	19	30	1	-	-	-	-	12	21	1	-	-	-	1	-	1	-	7	7	-	-	-	-	50
AGRICULTURE.....	25	20	1	1	2	-	-	15	11	-	-	-	8	7	-	-	1	1	-	-	-	-	-	46
TRANSPORTATION, ETC	20	22	2	1	-	1	-	3	7	-	-	1	10	13	1	-	-	3	2	-	2	-	-	44
FOOD.....	8	30	-	1	2	-	-	7	25	-	-	-	-	1	-	1	-	-	1	-	-	-	-	38
METALS.....	5	17	4	-	-	1	-	2	14	1	2	-	-	-	-	1	2	1	-	-	2	-	-	26
CLOTHING.....	4	17	1	-	1	-	-	4	15	1	-	-	-	-	-	-	-	-	1	-	-	-	-	22
PAPER.....	8	14	-	3	-	-	-	3	13	-	-	-	-	-	-	-	-	2	1	-	-	-	-	22
PRINT/BOOKBINDING..	4	15	-	2	1	-	-	1	12	-	2	-	-	-	-	-	-	1	-	-	-	-	-	19
LUMBER.....	2	10	-	1	-	-	-	-	9	-	-	-	-	1	-	-	-	1	-	-	-	-	-	12
EXPRESS, TRUCKING..	7	4	1	-	2	-	-	-	1	-	-	-	2	-	-	-	1	5	1	-	-	-	-	12
CLAY, GLASS, STONE.	2	5	1	-	-	-	-	2	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	8
EXTRACT OF MINERALS	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	2
OTHERS IN TRANS....	-	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2
LIQUORS.....	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
WATER TRANSPORTA...	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
AIR TRANSPORTATION.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
TELE & TELE.....	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTALS	376	762	50	29	38	3	5	218	594	25	12	2	66	56	2	10	17	55	43	3	6	4	-	1,188



TABLE X. CAUSES OF INJURIES, BY EXTENT OF DISABILITY.

This table presents the accident experience with such detail as resources permit, showing by detailed causes the relative extent of different types of injuries due to assigned causes. The table also shows the weighted severity of injuries, based on time loss.

For each cause enumerated, the following information is given:

Number of Tabulatable Injuries:	Days Lost Due to:
Total cases	Total cases
Deaths	Deaths
Permanent total disabilities	Permanent total disabilities
Permanent partial disabilities	Permanent partial disabilities
Temporary total disabilities	Temporary total disabilities
7 days and under	7 days and under
1 to 2 weeks	1 to 2 weeks
2 to 3 weeks	2 to 3 weeks
over 3 weeks	over 3 weeks

Condensed information of the detailed table follows:

Total Tabulatable Injuries, by Cause of Injury and Extent of Disability

Cause of Injury	Totals	Deaths	Disabilities		
			Permanent Total	Permanent Partial	Temporary Total
Handling of objects	19,188	111	3	442	18,632
Falls of persons	11,213	27	2	171	11,013
Machinery	5,158	15	-	1,047	4,096
Stepping on or striking against objects	4,181	-	-	92	4,089
Miscellaneous	3,715	18	1	67	3,629
Vehicles	3,007	46	-	68	2,893
Hand tools	2,450	1	-	136	2,313
Explosions, fires, etc.	2,272	25	1	174	2,072
Falling objects, not handled by employee	1,997	6	-	64	1,927
Occupational diseases	1,221	9	2	22	1,188
Animals	171	1	-	1	169
Totals	54,573	259	9	2,284	52,021

The above table, in condensed form, shows for each printed cause group the total number of injuries and the distribution by extent of the resulting disability.



### Distribution of Causes, by Per Cent

Cause of Injury	Totals	Deaths	Disabilities		
			Permanent Total	Permanent Partial	Temporary Total
Handling of objects	35.2	42.9	33.4	19.4	35.8
Falls of persons	20.5	10.4	22.2	7.5	21.2
Machinery	9.4	5.8	-	45.8	7.9
Stepping on or striking against objects	7.7	-	-	4.0	7.9
Miscellaneous	6.8	6.9	11.1	2.9	7.0
Vehicles	5.5	17.8	-	3.0	5.5
Hand tools	4.5	0.4	-	6.0	4.4
Explosions, fires, etc.	4.2	9.6	11.1	7.6	4.0
Falling objects not handled by employee	3.7	2.3	-	2.8	3.7
Occupational diseases	2.2	3.5	22.2	1.0	2.3
Animals	0.3	0.4	-	0.- <sup>*</sup>	0.3
Totals	100.0	100.0	100.0	100.0	100.0

\* -<sup>\*</sup> Less than one-tenth of one per cent.

The causes which continue to have the highest number of accidents are "Handling of objects" with 35.2 per cent, and "Falls of persons" with 20.5 per cent.

### Distribution of Causes, by Resultant Days Lost

Cause of Injury	Totals	Deaths	Disabilities		
			Permanent Total	Permanent Partial	Temporary Total
Handling of objects	1,651,980	666,000	18,000	278,157	689,823
Falls of persons	848,104	162,000	12,000	193,559	480,545
Vehicles	445,429	276,000	-	50,956	118,473
Machinery	408,257	90,000	-	200,649	117,608
Miscellaneous	260,222	108,000	6,000	46,067	100,155
Explosions, fires, etc.	221,649	150,000	6,000	28,714	36,935
Occupational diseases	180,044	54,000	12,000	66,000	48,044
Falling objects not handled by employee	134,167	36,000	-	28,342	69,825
Stepping on or striking against objects	107,013	-	-	18,820	88,193
Hand tools	57,270	6,000	-	13,377	37,893
Animals	8,124	6,000	-	28	2,096
Totals	4,322,259	1,554,000	54,000	924,669	1,789,590

As indicated above, the most serious cause of injury as measured in terms of time loss is "Handling of objects" with 38.2 per cent of the total. The estimated time loss on this account, as shown by the above table, is 1,651,980 days, or 20,961 days less than last year.

Average Time Loss Per Case, by Principal Causes

<u>Cause of Injury</u>	<u>Per Cent of Total</u>	<u>Average Days Per Case</u>
Handling of objects	38.2	86
Falls of persons	19.6	76
Vehicles	10.3	148
Machinery	9.5	79
Miscellaneous	6.0	70
Explosions, fires, etc.	5.1	98
Occupational diseases	4.2	147
Falling objects not handled by employee	3.1	67
Stepping on or striking against objects	2.5	26
Hand tools	1.3	23
Animals	0.2	48
Totals	100.0	79

In considering these figures, the fact should be remembered that the units cover all cases, including deaths, permanent total, permanent partial, and temporary total disabilities. If more detailed analysis is desired to meet particular questions, reference should be made to the appendix under this table heading.



TABLE XI. MACHINERY, FREQUENCY OF INJURIES, BY MANNER OF OCCURRENCE AND BY PART OF MACHINE.

The number of machine accidents, according to the cause and the percentage of the total, is given in the following table:

Machine Accidents, by Manner of Occurrence

<u>Manner of Occurrence</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>
Starting, stopping, or operating machine	2,712	52.6
All other	1,140	22.1
Flying objects	493	9.6
Adjusting machine, tool, or work	369	7.2
Cleaning or oiling machine	254	4.9
Breaking of machine, tool, or work	147	2.8
Repairing machine	43	0.8
Totals	5,158	100.0

Of the 5,158 accidents, 2,712 or 52.6 per cent occurred while "Starting, stopping, or operating machine," 2,184 occurring at the "Point of operation."

Further analysis of the table is given in the following summary which shows the part of the machine on which the injury occurred.

Machine Accidents, by Part of Machine

<u>Part of Machine</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>
Point of operation	2,692	52.2
Miscellaneous	2,008	38.9
Belts	328	6.3
Gears	60	1.2
Cranks or eccentrics	40	0.8
Counterweights	21	0.4
Flywheels	9	0.2
Totals	5,158	100.0

TABLE XIII. CONJUGAL CONDITION AND DEPENDENCY IN CASES OF FATAL INJURIES.

The conjugal condition of the employees fatally injured and the extent of dependency according to the number of persons dependent are considered in the following analysis:

Conjugal Condition in Fatal Cases

<u>Condition</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>
Single	23	8.9
Married	218	84.1
Widowed	9	3.5
Divorced	9	3.5
Totals	259	100.0

Of the 23 cases in which the employees were single, 10 had total dependents, 1 had partial dependents, and 12 had no dependents.

Total dependency was involved in all of the 218 cases where the employee was married.

There were 9 cases involving widowed employees. Of these, 1 left total dependents and 8 left no dependents.

Of the 9 divorced employees, 4 left total dependents and 5 left no dependents.

A total of 449 dependents were left in the 259 cases. Of these 448 were total dependents and one was partially dependent.



TABLE XIV. SPECIFIC INJURY CASES, BY AGE OF PERSONS INJURED.

This table indicates that there were 588 cases of specific injuries. In 108 cases, or 18.4 per cent, the employees were more than 55 years of age. There was one case in which the employee was under 16 years of age. The number of specific injuries to employees under the age of 18 was 13, as compared with 15 in 1959.

<u>Type of Injury</u>	<u>Specific Injuries</u>	<u>Number of Cases</u>	<u>Per Cent</u>
Major index, one phalange; or one finger or thumb, minor hand; or middle, ring, or little finger, major hand		420	71.4
Two or more fingers on major or minor hand; or thumb and finger on minor hand, two phalanges		29	4.9
One eye		24	4.1
Major thumb, one phalange		18	3.1
Major index, two or three phalanges		17	2.9
Major index, two phalanges or more and one or more fingers same hand		11	1.9
Partial loss of vision		10	1.7
Two or more toes, one foot		9	1.5
Teeth		7	1.2
Major thumb, two phalanges		4	0.7
Minor arm below elbow		4	0.7
Minor arm above elbow		4	0.7
Major arm below elbow		4	0.7
Entire lesser toe		4	0.7
Entire great toe		3	0.5
Great toe, one phalange		3	0.5
One foot or leg below knee		2	0.3
One foot or leg above knee		2	0.3
Major thumb, two phalanges and one or more fingers		2	0.3
Lesser toe, one phalange		2	0.3
Two or more fingers, or thumbs and fingers on both hands		2	0.3
One finger or thumb on one hand and one finger or thumb on the other hand		2	0.3
Major thumb, one phalange, and major index, two phalanges		1	0.2
Both hands or arms and two eyes		1	0.2
Major arm above elbow		1	0.2
Both eyes		1	0.2
Hearing, both ears		1	0.2
Totals		588	100.0

The group "One finger or thumb, minor hand; or middle, ring, or little finger, major hand; or one phalange of major index finger" is the largest numerically of all the groups classified in this table. Included in this classification are all finger injuries (except those occurring to the major thumb and to two or more phalanges of the major index finger) in which there is a loss either by amputation or the equivalent loss of use of less than two phalanges of one or more fingers.

TABLE XV. SPECIFIC INJURY CASES, BY CAUSES.

Of the 588 specific injury cases 437, or 74.3 per cent occurred on machinery.

Of the 420 injuries to "Major index, one phalange; or one finger or thumb, minor hand; or middle, ring, or little finger, major hand" 329 were due to machinery accidents, 238, or 72.3 per cent, occurring at the "Point of operation."

Percentage Distribution of Specific Injury Cases by Causes

<u>Cause of Injury</u>	<u>Number of Cases</u>	<u>Per Cent of Total</u>
Machinery	437	74.3
Handling of objects	69	11.7
Hand tools	21	3.6
Miscellaneous	16	2.7
Vehicles	15	2.6
Stepping on or striking against objects	9	1.5
Explosions, fires, etc.	9	1.5
Falls of persons	6	1.0
Falling objects not handled by employee	5	0.9
Occupational diseases	1	0.2
Totals	588	100.0

The following table shows the cause of injury in specific eye cases:

Cause of Injury in Specific Eye Cases

<u>Cause of Injury</u>	<u>Number of Cases</u>
Hand tools	10
Explosions, fires, etc.	6
Machinery	5
Miscellaneous	5
Handling of objects	3
Falls of persons	2
Stepping on or striking against objects	2
Vehicles	1
Occupational diseases	1
Totals	35

The above included 10 cases of permanent partial reduction of vision, 3 of which are attributed to "Miscellaneous;" 2 occurred in the use of hand tools; machinery was the cause of two cases; and explosions, fires, etc., stepping on or striking against objects, and handling of objects, were each responsible for one case.



THE FOLLOWING TABLE SHOWS, FOR THE PERIODS INDICATED, THE NUMBER OF NON-FATAL CASES IN WHICH THE MAXIMUM AMOUNT OF COMPENSATION WAS PAID UNDER S. 34, THE YEAR IN WHICH THE ACCIDENT OCCURRED, AND THE TYPE OF DISABILITY INCURRED.

PERIOD IN WHICH COMPENSATION ENDED AND TYPE OF COMPENSATION PAID		PERIOD IN WHICH ACCIDENT OCCURRED													
		YEARS ENDING DECEMBER 31*													
YEAR ENDING JUNE 30, 1934 TO DECEMBER 31, 1957	1918 TO 1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	TOTALS	
TOTAL ONLY	648	63	54	66	45	22	35	27	10	10	2	-	-	982	
TOTAL AND PARTIAL	245	27	34	36	11	6	1	1	1	2	-	-	-	364	
TOTAL AND SPECIFIC	213	19	22	21	18	8	3	3	13	8	-	-	-	328	
TOTAL, PARTIAL, AND SPECIFIC	123	8	9	3	2	2	1	1	3	1	-	-	-	153	
PARTIAL ONLY	5	-	1	1	-	-	-	-	1	-	-	-	-	8	
TOTALS	1,234	117	120	127	76	38	40	32	28	21	2	-	-	1,835	
YEAR ENDING DECEMBER 31, 1958															
TOTAL ONLY	4	-	-	-	-	1	3	2	1	8	6	-	-	25	
TOTAL AND PARTIAL	-	2	-	-	-	-	2	-	1	1	2	-	-	8	
TOTAL AND SPECIFIC	-	-	-	-	-	-	1	-	-	2	6	-	-	9	
TOTAL, PARTIAL, AND SPECIFIC	-	-	-	-	-	-	1	-	1	6	2	-	-	10	
PARTIAL ONLY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTALS	4	2	-	-	-	1	7	2	3	17	16	-	-	52	
YEAR ENDING DECEMBER 31, 1959															
TOTAL ONLY	1	-	-	-	-	-	1	2	1	3	11	5	-	24	
TOTAL AND PARTIAL	-	-	-	-	-	-	-	-	-	1	1	3	-	5	
TOTAL AND SPECIFIC	-	-	-	-	-	-	-	-	-	1	8	5	-	14	
TOTAL, PARTIAL, AND SPECIFIC	-	-	-	-	-	-	-	-	1	-	3	2	-	6	
PARTIAL ONLY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTALS	1	-	-	-	-	-	1	2	2	5	23	15	-	49	
YEAR ENDING DECEMBER 31, 1960															
TOTAL ONLY	-	1	-	-	-	-	-	-	-	-	-	5	4	10	
TOTAL AND PARTIAL	-	-	-	-	-	-	-	1	-	1	2	5	1	10	
TOTAL AND SPECIFIC	-	-	-	-	-	-	-	-	-	1	1	5	6	13	
TOTAL, PARTIAL, AND SPECIFIC	1	-	-	-	1	-	-	-	-	-	2	3	-	7	
PARTIAL ONLY	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
TOTALS	1	1	-	-	1	-	-	1	-	3	5	18	11	41	
GRAND TOTALS	1,240	120	120	127	77	39	48	37	33	46	46	33	11	1,977	

\* PREVIOUS TO JULY 1, 1938, THE FISCAL YEAR ENDED ON JUNE 30TH.

Maximum Payment Cases, by Type of Disability and Percentage Distribution  
July 1, 1933 to December 31, 1960.

<u>Type of Disability</u>	<u>Number of Cases</u>	<u>Per Cent</u>
Total only	1,041	52.7
Total and partial	387	19.6
Total and specific	364	18.4
Total, partial, and specific	176	8.9
Partial only	9	0.4
Totals	1,977	100.0

During the twenty-seven and one-half year period covered by the above table, there were 1,977 non-fatal cases in which the maximum compensation payable under Sec. 34 and/or Sec. 35 of the Workmen's Compensation Act was paid. In 1,357 of these cases the employees were still receiving total disability compensation at the time the maximum was reached.

Of the 1,977 maximum payment cases, 1,128 occurred after September 19, 1935, the date upon which Sec. 34a became effective. Under this section the employees in these cases would have rights to disability compensation for life if they prove that they are permanently disabled. The present status of these cases is as follows:

Status of Possible S. 34a Cases

<u>Status of Cases</u>	<u>Number of Cases</u>
S. 34a payments made	608
S. 34a lump sum settlement made	135
S. 34a claim dismissed	32
S. 34a claim withdrawn	8
Employee died from causes not due to injury	16
Employee retired on pension	12
Employee returned to work	55
No further information available; no action taken by employee	262
Total	1,128

Of the 608 cases on which Sec. 34a weekly payments were made, 4 employees have returned to work; 14 have received lump sum settlements; in 3 cases payments were discontinued by the Board; 100 employees have died; and payments are still being made in 487 cases.



The following table shows the type of injury in cases where payments under Sec. 34a were made. Injuries which resulted in the amputation or loss of use of a member of the body are classified according to the dismemberment.

Maximum Payment Cases in Which S. 34a Weekly Payments Were Made

<u>Type of Injury</u>	<u>Number of Cases</u>
Head, fractures	23
Head, all other	25
One eye, loss of vision	17*
Both eyes, loss of vision	6
Trunk, fractures or dislocations	78
Trunk, all other	95
One hand or arm, amputation or loss of use	26
Both hands or arms, amputation or loss of use	9
One hand or arm, all other	15
Both hands or arms, all other	4
One foot or leg, amputation or loss of use	35**
Both feet or legs, amputation or loss of use	25***
One foot or leg, all other	80
Both feet, or legs, all other	11
Both legs and arms, amputation or loss of use	2
Arm and leg, amputation or loss of use	8
Arm and leg, all other	5
Multiple fractures	26
Mercury poisoning	2
Carbon tetrachloride poisoning	2
Pulmonary tuberculosis, silicosis, pneumoconiosis, berylliosis	61
Other occupational diseases	12
All other	25
Heart injuries	16
Total	608

\* Includes 8 cases of previous loss of sight in other eye.

\*\* Includes 1 case of previous loss of sight in one eye and serious back injuries.

\*\*\* Includes 1 case of previous loss of left hand.

Maximum Compensation Cases in Which the Last Payment Was Made During the  
Year January 1, 1960, to December 31, 1960, by Location and Nature  
of Injury and by Type of Disability

Location and Nature of Injury	Type of Disability					Total Cases
	Total Only	Total and Partial	Total and Specific	Total, Partial, and Specific	Partial Only	
<u>Sprains and Strains</u>	3	3	-	2	-	3
Trunk	3	3	-	2	-	3
<u>Bruises, Contusions, Abrasions</u>	-	1	-	-	-	1
Trunk	-	1	-	-	-	1
<u>Cuts, Punctures, Lacerations</u>	-	-	-	1	-	1
Head	-	-	-	1	-	1
<u>Fractures</u>	3	7	3	1	-	11
Trunk	2	6	-	-	-	3
Lower extremities	1	-	1	1	-	3
Head	-	1	2	-	-	3
<u>Occupational Diseases</u>	2	-	-	-	1	3
Body constitutional	2	-	-	-	-	2
Upper extremities	-	-	-	-	1	1
<u>Burns and Scalds</u>	-	-	2	-	-	2
Lower and upper extremities	-	-	2	-	-	2
<u>Amputation or Total Loss of Use</u>	-	-	5	2	-	7
Lower extremities	-	-	4	-	-	4
Upper extremities	-	-	-	2	-	2
Lower and upper extremities	-	-	1	-	-	1
<u>Partial Loss of Function</u>	-	-	2	1	-	3
Lower extremities	-	-	-	1	-	1
Upper extremities	-	-	1	-	-	1
Trunk	-	-	1	-	-	1
<u>Heart Injuries</u>	2	-	-	-	-	2
Body constitutional	2	-	-	-	-	2
Totals	10	11	12	7	1	41



Maximum Payment Cases, by Age at End of Compensation Period  
January 1, 1960, to December 31, 1960.

<u>Age Periods</u>	<u>Number of Cases</u>	<u>Per Cent</u>
25 to 29 inclusive	1	2.4
30 to 34 "	1	2.4
35 to 39 "	5	12.2
40 to 44 "	5	12.2
45 to 49 "	4	9.8
50 to 54 "	5	12.2
55 to 59 "	5	12.2
60 to 64 "	5	12.2
65 to 69 "	1	2.4
70 to 74 "	5	12.2
75 to 79 "	2	4.9
80 to 84 "	2	4.9
Totals	41	100.0

### THE MEDICAL SECTION

Insurers, self-insurers, and the various governmental units (excluding the Commonwealth of Massachusetts) reported payments for medical and hospital services on injuries occurring during the period January 1, 1960, to December 31, 1960, in the sum of \$15,289,634.00. This represents 31.1 per cent of the total benefits for the year. During this period 160,536 employees were furnished either medical or hospital treatment or both.

Impartial physicians are appointed by the Board. During the year covered by this report, \$35,141.75 was spent for 1,428 impartial examinations and for 715 hospital records which the Board obtained.

The medical work of the Board has been administered from the viewpoint that employees are entitled to adequate medical and hospital treatment but that the cost of such treatment should be reasonable.



# INDEX TO STATISTICAL TABLES

TABLE I	Page 3	Total tabulatable injuries, by industries and cases insured, self-insured, and not-insured, January 1, 1960, to December 31, 1960.
TABLE II	Pages 4-9	Insurance transactions under the Act, filed by insurance companies, etc. on injuries reported for the year January 1, 1960, to December 31, 1960.
TABLE III	Pages 10-13	Frequency of injuries, by industries and extent of disability, January 1, 1960, to December 31, 1960.
TABLE IV	Pages 14-15	Severity of injuries, by industries and extent of disability, January 1, 1960, to December 31, 1960.
TABLE V	Pages 16-17	Total tabulatable injuries, by sex and age of injured, January 1, 1960, to December 31, 1960.
TABLE VI	Pages 18-20	Total tabulatable injuries, by industries and wage groups, January 1, 1960, to December 31, 1960.
TABLE VII	Page 21	Location of injury, by nature of injury, January 1, 1960, to December 31, 1960.
TABLE VIII	Page 22	Location and nature of injury, by extent of disability, January 1, 1960, to December 31, 1960.
TABLE IX	Page 23	Cases of infection, by nature of injury, January 1, 1960, to December 31, 1960.
TABLE X	Pages 26-28	Causes of injuries, by extent of disability, January 1, 1960, to December 31, 1960.
TABLE XI	Page 29	Machinery-frequency of injuries, by manner of occurrence and by part of machine, January 1, 1960, to December 31, 1960.
TABLE XII		There were no uninsured fatal cases, January 1, 1960, to December 31, 1960.
TABLE XIII	Page 30	Conjugal condition and dependency in cases of fatal injuries, January 1, 1960, to December 31, 1960.
TABLE XIV	Page 31	Specific injury cases, by age of persons injured, January 1, 1960, to December 31, 1960.
TABLE XV	Page 32	Specific injury cases, by cause of injury, January 1, 1960, to December 31, 1960.
	Pages 24-25	OCCUPATIONAL DISEASES
	Pages 33-37	MAXIMUM PAID
	Page 38	MEDICAL SECTION

Publication of this document approved by  
Alfred C. Holland, State Purchasing  
Agent - #1.

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